



# भारत का राजपत्र

## The Gazette of India

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No. 15] NEW DELHI, SATURDAY, APRIL 8, 1972 (CHAITRA 19, 1894)

इस भाग में विभिन्न पृष्ठ संख्या ही जाती है जिससे कि पहला अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से संबंधित अधिसूचनाएँ और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

## THE PATENT OFFICE

## Patents and Designs

Calcutta, the 8th April 1972

## CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 11th December 1971, under the heading "Applications Accepted" in page 453, Column I,

For No. 125297.

Read No. 125299.

(2)

In the Gazette of India, Part III, Section 2, dated the 20th November 1971, under the heading "Applications Accepted" in page 427, Column I,

For No. 1268448.

Read No. 126848.

(3)

In the Gazette of India, Part III, Section 2, dated the 25th December, 1971, under the heading "Applications Accepted" in page 475, Column 2,

For No. 127178.

Read No. 128178

(4)

In the Gazette of India, Part III, Section 2, dated the 27th November 1971, under the heading "Applications Accepted" in page 440, Column I,

For No. 12996.

Read No. 129996.

## Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

18th March 1972

- 134978. Council of Scientific and Industrial Research. A strain gauge blood pressure transducer.
- 134979. J. N. Kardile. Filter chambers with the use of crushed coconut shell media.
- 134980. Vysoke Ucení Technike. Method of filling a piston injection pump of combustion engines and an injection pump for performing the same.
- 134981. The Director, Central Power Research Institute, Central Water & Power Commission (Power Wing), Ministry of Irrigation & Power, Government of India. A method for locating faults in transmission lines and cables.
- 134982. The Director, Indian Institute of Science, Bangalore. Current limiting device.
- 134983. Reanal Finomvegyszergyár. Method and agent for the detection of pregnancy.
- 134984. Beazley Homes Limited. Improvements in or relating to panel wall systems. (18th March 1971).
- 134985. Shrikam Industries. Improvements in or relating to flexible fasteners for bags, pouch or the like container.
- 134986. Shrikam Industries. Improvements in or relating to slide fasteners.
- 134987. Joseph Lucas (Industries) Limited. A method of interconnecting a pair of parts. (27th March, 1971).
- 134988. Horizons Research Incorporated. Phosphonitrile elastomers.
- 134989. North American Rockwell Corporation. Circular knitting machine needle selecting apparatus.
- 134990. B. S. Shashidhar, B. Ramesh and V. Ramkrishna. The Microfilming equipment,

20th March, 1972

134991. Repta International S.A.H. Method and means for the execution of an article-catching strip.
134992. Joseph Lucas (Industries) Limited. Starter motors. (3rd April, 1971).
134993. Imperial Chemical Industries Limited. Pyridine derivatives. (29th March, 1971).
134994. Imperial Chemical Industries Limited Ammoniation process and catalysts. (24th November, 1971). [Addition to No. 129366].
134995. A. M. Jacob. Thin concrete grid slab.
134996. Koninklijke Emballage Industrie Van Leer N. V. Bushing for a coupling such as a container closure and method for mounting such a bushing.
134997. Sandoz Ltd. Processing of thermoplastic moulding materials.
134998. The Miniature Bulb Industries of India. Improvements in or relating to incandescent lamps.
134999. Spolana, narodni podnik. Method of producing N-trihalogenoalkylthio derivatives.
135000. Vysoce uceni technika. Injection unit for injection pumps of combustion engines.
135001. Johnson & Johnson Limited. Non-woven material in the form of sheets of films and method and apparatus for preparing the same. [Addition to No. 129068].
135002. S. R. Apte and Y. G. Ghiasas. An electronic automatic reverse current cutout and voltage and current regulator for automobile dynamo.
135003. P. Upadhyaya. An improved cerebrospinal fluid shunt valve for the treatment of hydrocephalus.
135004. Phoenix Distributors Private Ltd. A machine for making bales of hay, cotton, cotton waste or like soft and bulky materials.
135005. D. K. Dhand. Pencil sharpener holder, with or without pencil rotating arrangement.

21st March, 1972

135006. Indian Jute Industries Research Association. Enzymatic softening of cellulosic textile materials.
135007. North American Rockwell Corporation. Phase-sensitive position pickoff device.
135008. Pfizer Inc. Quinoxaline-di-N-oxides. (31st January, 1972). [Addition to No. 103496].
135009. North American Rockwell Corporation. Frequency responsive multi-phase pulse generator.
135010. Usm Corporation. Method of injection molding articles of foam material.
135011. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing concentrated stable liquid compositions of anionically soluble optical brighteners or dyestuffs.
135012. Cotton, Incorporated. Method of making a durable press garment.
135013. Rhone-Progil. A method of producing phosphoric acid and calcium sulphate.
135014. Pilkington Brothers Limited. Methods of and apparatus for cutting glass. (22nd March 1971).
135015. Canon Kabushiki Kaisha. Method of transferring images developer.
135016. V. D. Hukerikar. Oscillating lever accentuated internal combustion engine.

22nd March 1972

135017. Imperial Chemical Industries Limited. Process for the preparation of polymer dispersions. (30th March, 1971).
135018. Girling Limited. Annular Seal. (25th March, 1971).
135019. Sperry Rand Corporation. Improvements in or relating to hydraulic pumps. (27th January, 1972).

135020. North American Rockwell Corporation. Selector system for rotary knitting machine.
135021. P. R. D. Rao and N. M. Sundaram. Solenoid transmission conductor.
135022. William Prym-Werke Kg. Method of manufacturing a sliding clasp fastener. [Addition to No. 131222].
135023. Envirotech Corporation. Phosphorus removal from Wastewater.
135024. D. H. Malik. Process for conversion of waste material into moulding granules.
135025. Rohm and Haas Company. Improved anion exchange resins and method of preparation of same.
135026. Hemendra Nath Banerjee. Domestic gas cylinder with built-in gas indicator.
135027. Scovill Manufacturing Company. Improvements in or relating to a valve core. (7th April 1971).

23rd March 1972

135028. Council of Scientific and Industrial Research. An improved rocker for processing leathers.
135029. Council of Scientific and Industrial Research. Spirally enhanced tubes of high heat transfer for heat exchangers.
135030. Council of Scientific and Industrial Research. Improvements in or relating to prevention of tarnishing of copper and copper base alloys.
135031. M. N. Patel. Improvements in or relating to indexable metal cutting tools for use in the various machinery operations.
135032. Somesh Chandra Majumder. Improvement in or relating to automatic tea and coffee vending machines.
135033. Siemens Aktiengesellschaft. Apparatus for use in monitoring tensile stresses in continuously travelling webs of material.
135034. Imperial Chemical Industries Limited. New manufacturing process. (18th May, 1971).
135035. M. I. Knez. Textile-reinforced materials, and method, and apparatus for their manufacture.
135036. J. Blackburn. Method of producing pavement-like sites.
135037. Bunker Ramo Corporation. Electrical switch.
135038. Cassella Farbwerke Mainkur Aktiengesellschaft. Dye composition and dyeing process.
135039. Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Guide elements for magnetic tapes to be wound in the form of packs on flangeless spools and to be unwound therefrom.
135040. F. G. Kretschmer & Co. Lead azide compositions sensitive to flames but insensitive to friction and a process and apparatus for the preparation thereof.

24th March 1972

135041. Anindita Sarkar. Anti burglary horn alarm device for bonnet and luggage compartment of automobile cars only.
135042. Sybron Corporation. Force balance instrument for computing.
135043. Universal Oil Products Company. Hydrorefining catalyst and method of manufacture and use thereof.
135044. H. Pannenbecker and R. Plate. Process for producing film and sheet materials from thermoplastic materials having hot tack by the blown film process and the film and sheet materials thereby obtained.
135045. The Sfc Patent Trust. Pump for zinc-rich materials or the like.
135046. Vsesojuzny Proektno-Tekhnologichesky Institut Tyazhologo Mashinostroenia. A device for rigging the position of and gripping a workpiece.

135047. Pressure Cookers & Appliances Private Limited. Pressure cookers. [Divisional date 17th March, 1971].
135048. K. B. Raval. Gravitational force operated automobile.
135049. Emhart Zurich Sa. Apparatus and method for generating an output signal from two input signals.
135050. C. R. Oberoi. Auto accident arrestor.
135051. Pushpamala Yashawantrao Jadhav. Improved lifts for transporting men, materials etc.

**ALTERATION OF DATE**

131750. The claim to priority date 18th June, 1970 has been abandoned and the application dated as of 16th June, 1971, the date of filing in India.
123700. Post-dated to 7th August 1970 under Section 5 of the Act.

**Applications Accepted**

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specification in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

99187. Archer Daniels Midland Company. Expanded protein food product and process of preparing same. Accepted on 15th March 1972.

*Comprises extruding a homogeneous mixture of a proteinaceous material with a protein content of at least 30% and 20-60% H<sub>2</sub>O at above 200°F and under pressure through an orifice into a medium at pressure lower than the first mentioned pressure.*

123700. Council of Scientific and Industrial Research. A new portable water filtering flask. Accepted on 20th March 1972.

*Characterized in that the candle or cartridge is made from compositions specified in the following patents (1) Mini candle, Indian patent application No. 125357 (2) Cartridge type specified in Indian patent application No. 126508.*

126869. Dr. P. N. Choudhry and L. Diraviyam. Detecting and preventing switching of calls likely to result in overmetering in common control exchanges or the like. Accepted on 1st March 1972.

*Wherein the line polarity is checked up for reversal after transmission of each digit with the help of a polarity sensitive relay, said polarity sensitive relay being used for preventing the further progress of switching of the telephone call encountering the said reversal of line polarity.*

127079. D. J. Dodds. Method of preparing bearing pad. Accepted on 15th March, 1972.

*Comprising placing a pliant envelope circumscribing a central void region and containing a hardenable plastic filler composition between the*

*supporting surface and the bearing plate, applying tension to a member passing through the void and anchored to the plate, compressing the envelope between the plate and the surface while shaping opposite sides of the envelope.*

127082. Nippon Kokan Kabushiki Kaisha. Eddy current flaw detecting apparatus. Accepted on 15th March 1972.

*Including a pulse height analyzer memorizing voltage responsive to flaws in a test piece and control means for setting the gain of an amplifier connected to a flaw signal detecting in accordance with the output of the analyzer.*

127129. British Insulated Callender's Cables Limited. Plastics extrusion process and apparatus. (18th June 1969). Accepted on 17th March 1972.

*Comprising feeding viscous polymeric material under pressure into a screw extrusion machine having a gas injection zone and extrusion zone, determining in the extrusion machine barrel the transition between the part that is partly filled by polymeric material and the part fully-filled by the material by measurement of a condition in the extruder barrel and controlling the relationship between the rate of feed of material and speed of extruder.*

127210. Voith Getriebe KG. Hydrodynamic brake. Accepted on 17th March 1972.

*Comprises diaphragm segments mounted on pivot pins in brake housing wall to move radially inwardly from the outer periphery of the working chamber into a gap between blades of the brake and annular diaphragm chamber concentric with working chamber.*

127229. Univeg Maschinen und Apparatebau G.m.b.H. and Co. Kg. A drafting system for textile machines. Accepted on 23rd March, 1972.

*Comprises a stripping roller in form of a tube mounted on a rigid shaft and having a brake in the interior of the tube.*

127256. Neo Proteins, Inc. High protein edible products and method of preparing same. Accepted on 18th March 1972.

*Comprising non-elastic protein material, oil and salt and heating at a low simmering temperature, adding mild acid and heating, adding additional water and vegetables and boiling, adding more water and non elastic protein and boiling, adding a thickening agent and boiling,*

127259. Girling Limited. Automatic adjuster for shoe drum brake. (25th June, 1969). Accepted on 23rd March, 1972.

*Includes resilient means, signal input means for progressively loading the resilient means in response to a succession of mechanical input signals derived in use from shoe movements on brake application and release, and release means responsive to completion of a predetermined number of such movements.*

127260. Caterpillar Tractor Co. Vehicle having pilot selector valve for simultaneously controlling separate fluid circuits. Accepted on 22nd March 1972.

*Characterised in that the multi position valve means is operatively connected to each controls means of the fluid circuits for selectively actuating at least one of two vehicle attachment.*

127299. Centre Stephanois De Recherches Mecaniques Hydromecanique & Frottement. A method of and apparatus for breaking up solid, porous and especially vegetable bodies. (21st August, 1969). Accepted on 18th March 1972.

- Characterised in that variable cyclic pressure with a minimum of three cycles is applied to progressively fatigue the bodies and differential pressure amplitude is greater than 3 bars.
127317. A. G Amelin, J. A. Bystrov, B. T. Vasiliev, L. F. Donchenko, I. V. Ilgisonis, M. D. Mazo, G. M. Morkovin and J. V. Filatov. Gas oxidation contact apparatus. Accepted on 17th March 1972.  
*Comprising a drum shaped housing and a cylindrical chamber with double perforated walls, the housing and the chamber are mounted coaxially with the possibility of their joint rotation about a common horizontal axis, the chamber having diametrically opposite recesses located along its generating line, the annular space of the chamber being always filled with porous contact mass.*
127327. Sulzer Brothers Limited. Improvements in and relating to cooling a gas stream. Accepted on 22nd March 1972.  
*The method including heat exchanging with a second dry gas stream and adding liquid at least once to the gas stream to be heated before and/or during heat absorption from the gas stream to be cooled.*
127374. Universal Oil Products Company. Novel catalytic composite. Accepted on 22nd March 1972.  
*Comprising a combination of catalytically effective amounts of a platinum group metal, a rhenium metal, germanium and halogen with an alumina carrier material.*
- 127485 Standard Oil Company. Improved suspension fertilizer and process for making the same. Accepted on 25th March 1972.  
*Comprising an aqueous suspension including 30 weight percent plant nutrient and enough clay from a sol, the clay sol comprising from 5 to 30 weight percent clay, based on total sol weight, and from 1 to 5 weight percent of a condensed phosphate, based on clay weight, with the balance being essentially water or water and ammonia.*
127660. Jamesbury Corp. Photo-optical tape reader. (3rd June 1970) Accepted on 22nd March 1972.  
*Comprising a pair of drive shafts, tape drive sprockets mounted on the drive shafts, adapted to receive a perforated tape, light source means disposed on one side of the tape, read means on the other side of the tape to detect light from light source means passing through tape perforations, and rotary motor means connected to the drive shafts.*
127680. The Tata Hydro-Electric Power Supply Company Limited, The Andhra Valley Power Supply Company Limited and the Tata Power Company Limited. Standby emergency fluorescent light. Accepted on 21st March 1972.  
*Resultant voltage reverse biases inverter transistors in the normal condition thereby keeping inverter off, while on the failure of mains supply the reverse bias of the inverter transistors is automatically removed.*
127839. E. I. du Pont de Nemours and Company. Plant growth regulant composition. Accepted on 24th March, 1972.  
*Comprising known agricultural diluent or carrier in combination with 1 to 95% of a corresponding carbamoyl phosphonate.*
127930. Indian Jute Industries' Research Association. Process for preventing migration of oily matters from jute fibres and jute products to bodies in contact therewith. Accepted on 20th March 1972.  
*Comprises treating jute fibres or jute products with an antimigrating agent which is at least one*
- of the group consisting of ammonium, sodium, potassium, calcium, aluminium and magnesium rosinates and jute batching oil.
127950. Orissa Cement Limited. Thick monolithic refractory constructions and anchor units for the same. Accepted on 21st March 1972.  
*Wherein each said anchor unit comprises (a) a metallic bracket fixed to the rear surface, (b) a preshaped refractory anchor tile having alternate ribs and recesses on its body (c) a pre-shaped refractory tile adapted to join, at its one end, with the refractory anchor tile so as to hold the metallic bracket and the refractory anchor tile.*
127951. Orissa Cement Limited. Monolithic refractory partition walls for furnaces and anchor units for same. Accepted on 21st March 1972.  
*Wherein the anchor unit comprises a pre-shaped refractory dog bone which holds at its either ends pre-shaped refractory anchor tiles and also wherein the length of the anchor tile is either equal to or greater than its maximum cross-section.*
127973. Union Carbide Corporation. Cryogenic air separation process. Accepted on 17th March 1972.  
*Characterised by comprising air to a head pressure of 120-700 psig, cooling and work expanding a first minor portion comprising 1-20% of solid air to a pressure below high pressure distillation and recovering refrigeration, cooling and liquefying a second minor portion to form liquid air and distilling liquid air with the refrigeration, partially cooling the major portion of compressed air and work expanding the partially cooled major portion to the pressure of high pressure distillation and flowing at least part of resulting cold gas to high pressure distillation.*
128079. W. & T. Avery Limited. Improvements in load indicating apparatus. (21st August 1969). Accepted on 20th March 1972.  
*Comprising a primary resistant and a secondary resistant interconnected so that the load is applied to both resistants.*
128267. Siemens Aktiengesellschaft. Amplifier regulation arrangement for carrier frequency information transmission. Accepted on 18th March 1972.  
*Comprising regulating means activated by means of a control current derived from the output level of an amplifier an amplitude limiting device.*
128270. Tsentralny Nauchno-Issledovatel'sky Institut Chernoi Metallurgii imeni I.P. Bardina. Device for reducing the cooling of an ingot in a continuous casting apparatus. Accepted on 2nd March 1972.  
*A device made in the form of one shield disposed coaxially with ingot and (or) a heater acting upon the shield or directly upon the ingot.*
128282. Shell Internationale Maatschappij N. V. A process for epoxidizing olefins with hydroperoxides to obtain oxirane compounds. Accepted on 7th February, 1972.  
*Characterised in reacting olefinic compound with hydroperoxides using catalyst comprising boron in combination with inorganic siliceous solid.*
128341. Rose Operating Valve Company. Solenoid valve. Accepted on 8th March 1972.  
*Comprising a laminated C-shaped core a T-shaped armature, a coil adjacent said core with spring at one end first and second poppet type valves.*
128366. Opti-Holding A.G. Improvements in or relating to textile ribbons for use as stringer tapes for sliding cloasp fasteners. Accepted on 10th March, 1972.  
*Having a waled knitted structure formed by warp chain threads and transverse threads, formed as at least two stringer tapes knitted together by one or more connecting threads into a corresponding broad ribbon.*

128466. Pilkington Brothers Limited. Improvements in or relating to apparatus for transferring sheet material. (19th September 1969). Accepted on 17th March 1972.

*Comprising drive elements to engage upper surface of the sheet and feed them along transfer path, suction means above transfer path and associated with drive elements to create reduced pressure over each sheet for advancing them along transfer path.*

128478. Girling Limited. Improvements in disc brakes. (25th September 1969). Accepted on 18th March 1972.

*Comprising a caliper adapted to straddle a disc, a pair of opposed brake pad assemblies located in the caliper and actuator means adapted to urge the pad assemblies against opposite faces of the disc.*

128483. Pilkington Brothers Limited. Improvements in or relating to the conveying of glass sheets. (19th September 1969). Accepted on 17th March 1972.

*Comprises a main line conveyor, branch line conveyors, suction transfer means and diverter means for diverting sheets along branch lines.*

128538. The Goodyear Tire & Rubber Company. Improvements in handrail drive for passenger conveyor system. Accepted on 16th March 1972.

*Including take up means on opposite sides of traction drive means driving handrail belt, each operative to apply sufficient tension to the slack side of said drive means for driving the belt in either direction.*

128551. Raytheon Company. Multiport high density burner. (16th September 1970). Accepted on 18th March 1972.

*Comprising ports in a curved wall member and a rotary blower to blow gas and air mixture through ports to form flame let of angle divergence greater than the angle between central lines of adjacent ports.*

128567. Mineralimpex Magyar Olaj Es Banyatermek Kulkeszredelmi Vallalat. A process for improving the quality of organophilic clay minerals. Accepted on 23rd March 1972.

*Wherein an organic compound in an aqueous solution is adsorbed on the surface of the particles of the clay dispersion, in which adsorption is effected at temperatures in the range of 60 to 80 C with shearing and impacts.*

128588. S. Chakrapani and (Mrs.) Jayalakshmi Chakrapani. A method of preparation of tamarind powder. Accepted on 16th March 1972.

*Characterized by cleaning tamarind pods, separating shell and seeds of the pods from pulp, mixing pulp with water, mixing agent (such as common salt) which assist in dehydration subjecting the dense fluid to dehydration and grinding the solid mass thus formed to obtain tamarind powder.*

128591. Siemens Aktiengesellschaft. A spark gap assembly for a surge arrester. Accepted on 21st March 1972.

*Spark gap is defined by two electrodes apaced apart by annular distance piece and include a projection to define a spark-over region, and is characterised by the disposition of aperture in distance piece and the spark over region.*

128624. Lansing Bagnall Limited. Improvements in or relating to manually operated steering system in vehicles. Accepted on 20th March 1972.

*Comprising an impedance element carried by the steering handle, an impedance bridge circuit one arm of which includes the said impedance element and a shutting down system controlled by said impedance bridge circuit.*

128645. Petrocarbon Developments Limited. Liquid phase oxidation of olefins to olefin oxides, glycols and glycol esters. (29th September 1969). [Addition to No. 121410]. Accepted on 18th March 1972.

*Comprises oxidizing in the liquid phase isopropyl alcohol with oxygen to produce a reaction product in isopropyl alcohol replacing the isopropyl alcohol with an ester solvent reacting the resulting solvent with a carboxylic acid, removing H<sub>2</sub>O present by azeotropic distillation and reacting the product with propylene to give propylene oxide.*

128652. Ufimsky Neftyanoi Nauchno-Issledovatel'sky Institut and Volgo-Uralsky Filial Vnigeofiziki. Device for sampling fluid beds. Accepted on 23rd March, 1972.

*Comprising a packer unit having a body connected with a drilling string a piston with a rod accommodated in the said body and form with it a hermetically sealed buffer chamber, the packer member of the unit being a bushing of resilient material.*

128692. The Dunlop Company Limited. Swaging Tools. 9th October 1969). Accepted on 22nd March 1972.

*Comprises a plurality of movable dies and a number of movable inserts positioned between at least some of the said dies.*

128697. Envirotech Corporation. A float apparatus. Accepted on 20th March 1972.

*Comprises means for maintaining the liquid surface at a predetermined elevation, a skimming blades with resiliently biasing means, skimming blade moving means, a fixed baffle and means to engage said blade at a fixed distance from said baffle to depress said blade.*

128721. Foseco International Limited. Hot topping of ingot moulds. (16th October 1969). Accepted on 18th March 1972.

*Providing on at least one of the surfaces a soft layer of difficultly inflammable material, locating the lining slabs in the ingot mould and urging them against the wall thereof, thereby to deform the soft layer.*

128736. Veb Spinnereimaschinenbau Karl-Marx-Stadt. Spinning spindle having neck and foot bearings. Accepted on 20th March 1972.

*Characterised by damping means provided below the neck bearing held by the bearing pipe.*

128738. Nippon Kokan Kabushiki Kaisha. A manufacturing method of free cutting lead steel. Accepted on 18th March 1972.

*Adding lead or an alloy containing metallic lead as main component in the form of wire rod of diameter between 2 mm. to 20 mm. in the steel stream at the time of pouring steel into mould.*

128758. Shell Internationale Research Maatschappij N. V. Method and apparatus for the cooling of soot-containing gases. Accepted on 23rd March 1972.

*Passing soot containing gases through one or more straight tubes and cooled to 1200°C at mass velocity of 100kg/m<sup>2</sup>/sec. and subsequently cooled by passing them through one or more helically coiled tubes, straight tubes being cooled with a coolant in parallel flow with gases flowing in straight tubes.*

128897. Dynamit Nobel Aktiengesellschaft. Improvements in or relating to the production of gas steam impermeable shaped amorphous polyamide bodies. Accepted on 18th March 1972.

*Comprises immersing the shaped body in a aqueous dispersion of a copolymer of vinylidene chloride and ethyl acrylate and drying the body in a current of hot air.*

128922. Polymer Corporation Limited. Foam rubber-backed textiles. (5th November 1969). Accepted on 20th March 1972.

*Comprises coating one surface of the fabric with a foamed precoat layer of a compound latex at 2-12 ounces per square yard, applying a foamed backing layer of a compounded latex drying and cross-linking the backing layer.*

128945. British Insulated Callender's Cables Limited. Improvements in electric cables. (22nd October 1969). Accepted on 22nd March 1972.

*At least part of the dielectric is built up from a composite tape or tapes comprising a plastics film bonded to a sheet or sheets of fibrous insulating material impregnated with a non-draining impregnating compound.*

128947. British Insulated Callender's Cables Limited. Improvements in electric cables. (22nd October 1969). Accepted on 21st March 1972.

*Laminated dielectric is built up at least in part from tapes comprising an imperforate plastics film having bonded to each of its major surfaces a thin cellulosic paper tape.*

128977. Farbenfabriken Bayer Aktiengesellschaft. Amidophenylguanidines, their process of preparation and fungicidal compositions containing the same. Accepted on 22nd March 1972.

*Comprises reacting the appropriately substituted 2-amino aniline derivative with a suitably substituted isothiourea ether.*

128992. Hindustan Lever Limited. Personal washing tablets. (31st October 1969). Accepted on 18th March 1972.

*Consisting essentially of 40-82% of a tallow soap and 3-4% of a water soluble salt of a primary or secondary linear alkyl sulphate having a total number of carbon atoms of 6-10 per molecule.*

129058 Imperial Chemical Industries Limited. Forming a pile on a thermoplastic article. (30th October 1969). Accepted on 18th March 1972.

*Pressing softened filament forming thermoplastic polymeric material through at least one perforated web into contact with a heated surface parting the web and the polymeric material from said surface to form filaments or tufts and cooling the said filaments.*

129065. F. Reinke. Methods and apparatus for making articles from fibre-reinforced plastics materials, and articles made by such methods and apparatus. Accepted on 22nd March 1972.

*Comprises in the steps of making a laminated layer consisting of liquid plastics material and embedded fibrous material, temping the laminated layer by directing blows perpendicular to the base of the layer in adjacent areas arranged like a grid, and moving the layer relative to the area.*

129267. Nippon Kokan Kabushiki Kaisha. An improvement relating to coating of steel sheets. Accepted on 18th March 1972.

*Comprising coating with metal powder in slurry form, drying, rolling and heat treating.*

129302. Franz Plasser Bahnbaumaschinen. Improvements in or relating to mobile machine used for permanent way fastening. Accepted on 22nd March 1972.

*Comprises means for loosening and tightening the fastenings between the rails and sleepers of a track, means for picking up and feeding the fasteners and the drive for advance of the machine along the track wherein the former*

*means are arranged behind the means for feeding and means for picking up are arranged behind said former means.*

129323. Smith Kline & French Laboratories. Compositions for improving feed efficiency of ruminants using halohemiacetal derivatives of polyhydroxy compound. Accepted on 18th March 1972.

*Comprising a feed stock, polychloro- or polybromo- hemiacetal derivative of a polyhydric alcohol, and a saccharide or a polysaccharide.*

129330. Norton Company. Abrasive grinding elements. Accepted on 17th March 1972.

*Comprising diamond or cubic boron nitride abrasive grains bonded by a ceramic matrix which matrix includes 23-53% by volume of total matrix of a filler consisting of graphite hexagonal boron nitride or molybdenum disulphide or mixture thereof or a mixture of the material and upto 50% by volume of the filler of metal powder.*

129332. Shell Internationale Research Maatschappij N. V. Process for quenching unstable pyrolysis effluent gases. Accepted on 20th March 1972.

*Comprising introducing quench liquid in such a way that a continuous liquid film is formed on any portion of the inner walls of the quench zone.*

129348. Hindustan Lever Limited. Improvements relating to vegetable fat products. Accepted on 23rd March 1972.

*A process for preparing a fat product which comprises fractionating sal fat so as to remove a lower melting fraction and recover higher melting fraction, at least 89% of the oleic acid being present in the beta-position, the saturated fatty acid content of the fraction being within the range 55 to 70%.*

129349. Hindustan Lever Limited. Process for preparing a catalyst. Accepted on 7th March 1972.

*Comprises a metallic catalytic agent in a porous carrier in which the carrier is contacted with an aqueous solution of (a) a salt of the metal and (b) a source of hydroxyl ions and sufficient hydroxyl ions are formed by heating in the solution to precipitate the metal in the carrier.*

129454. International Flavors & Fragrances Inc. Process for preparing a hearty flavouring material, the flavouring material so prepared and flavouring foodstuffs therewith. Accepted on 21st March 1972.

*A process for preparing a flavouring material comprising heating to a temperature of from 100°-200°C at least one conjugated cyclic carbonyl compound with hydrogen sulphide in the molar ratio of sulphide to carbonyl compound of from about 0.05 : 1 to about 3 : 1 under 2 to 10 atmospheres.*

129528. Stauffer Chemical Company. A mixture of phthalimido esters and process for their manufacture. Accepted on 23rd March 1972.

*Comprises reacting a mixture of two alkyl alcohols with phosphorus pentasulfide and neutralising the mixture of dithiophosphoric acid with a base and then reacting the salts with N-chloromethyl phthalimide.*

129640. Universal Oil Products Company. High octane gasoline production. Accepted on 15th March 1972.

*Converting heavy naphtha in reforming zone at*

*relatively low severity reforming condition, passing gasoline reformate formed to a saturate cracking zone and cracking said hydrocarbons to produce saturated and unsaturated light hydrocarbons and gasoline and converting a portion of said light hydrocarbon to alcohol in hydrolysis reaction zone.*

129647. (Miss) Dru Naraindas Mirchandani and G. R. Mansukhani. Improved moisture-proof container. Accepted on 22nd March 1972.

*Wherein the chamber is detachably secured to the container.*

129718. Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation of organic phosphoric acid ester, the compounds so prepared and compositions containing such compounds. Accepted on 18th March 1972.

*Reacting phosphoric acid diester monohalides with a cyanophenol, halogenated cyanophenol or salts of these phenols with ammonium or a metal such as sodium or potassium.*

129756. R. K. Jain. A chest piece for a stethoscope. Accepted on 18th March 1972.

*Whereby the tension of the diaphragm may be adjusted by manual operation, with the help of a bell piece pressing on the diaphragm and an adjusting screw.*

129779. Brown, Boveri & Company Limited. Improvements in or relating to hoist motor control systems. (5th November 1970). Accepted on 23rd March 1972.

*Comprising an eddy-current brake which co-rotates with the motor and is constructed as a multi-pole motor having a solid rotor and a stator which is connectable by a switching assembly after the hoist motor has been switched off, to two different sources.*

129796. R. B. Contractor. A device relating to preserving, packing and handling of indicator paper. Accepted on 22nd March 1972.

*Comprising of main hollow container body, a protruding sharp edged mouth piece with a slot and a stopper on the rear end of container body.*

129991. Österreichische Stickstoffwerke Aktiengesellschaft. Improvements in or relating to the defluorination of gypsum. Accepted on 22nd March 1972.

*Comprises pre-heating the by-product gypsum at a temperature below 160°C, spraying concentrated sulphuric acid and then calcining the mixture at a temperature within the range of 200 to 300°C.*

130032. C. J. P. Lebre. Improvements in or relating to reciprocating cable traction apparatus with power or manual drive. Accepted on 18th March 1972.

*An engine is mounted to the case of the apparatus and adapted to drive in rotation a driving sprocket in continuous meshing engagement with a transmission member pivoted at one point to one end of a connecting arm having its other end coupled to the contarmol lever.*

130168. Ciba of India Limited. Random Printing process and patterned material obtained thereby. Accepted on 18th March 1972.

*Bringing the material into contact with a plurality of pieces of auxillary carrier each being not longer than 25m<sup>2</sup> and being dyed or printed with sublimable or diffusible dyestuff and heating the material and carrier pieces.*

130201. National Distillers and Chemical Corporation. Apparatus for measuring the proportion of monomers in an olefin olefinic ester or acid copolymer in a fluid plastic composition. Accepted on 22nd March 1972.

*Includes a capacitance measurement means, means for inserting the capacitance in the composition and means coupled to the capacitance for providing an output indication of the proportion of the monomer.*

130373. Dr. Shyam Sundar Ghose. Process for manufacture of magnesite bricks. Accepted on 18th March 1972.

*A mixture of Zircon and Titanium compounds used as mine aliser is added to dead burnt magnesite, the mixture is then shaped and fired.*

130614. R. K. Dewan. An improved equipment for filing papers. Accepted on 21st March 1972.

*A hollow prism of triangular cross section made of flexible material in which a gap of a predetermined width is provided on one of the sides of the prism.*

130772. A. G. Petzeltakis. Connector for pipes. Accepted on 20th March 1972.

*Comprising two connecting points with a ring gasket inserted in a groove in each connecting part, one connecting part having a half shell onto which the other part is laid and held by mating elements and locked.*

130793. Indian Institute of Technology. An improved method of manufacture of sodium meta silicate and manufacture of silica gel therefrom. Accepted on 17th March 1972.

*Burning waste paddy husk to ash, subjecting said ash to 900°C, leaching the powder thus obtained with mineral acid washing, drying and mixing said powder with sodium carbonate, heating the said mixture to 850°C, dissolving fused mass thus obtained in boiling water and heating resulting solution and filtering the solution.*

130883. K. Zaidener. Locking mechanism and an anti-theft device for road vehicle incorporating the same. (8th April 1970). Accepted on 18th March 1972.

*A spring urged detent being movable at an angle into engagement with a series of recesses in a relatively movable manner and means for moving or holding the detent against the spring action.*

130998. F. Hoffmannla Roche & Co. Aktiengesellschaft. Phenylxyloxy derivatives, process for their preparation and pest controlling compositions containing the same. Accepted on 21st March 1972.

*Reacting a halogenated hydrocarbon with a phenol.*

131143. The National Cash Register Company. Sheet or ribbon carrying on one of its surfaces a detectable marking composition and composition for manufacture of the same. Accepted on 18th March 1972.

*Including a polymeric binder and a thermoplastic aminotriazine-sulphonamide aldehyde copolymer and electrically optically or magnetically detectable material.*

131201. R. Schmidt and E. Schmidt. A thread cutting device for slide lathes. Accepted on 20th March 1972.

*Characterising support member comprising a guide structure attached to tool post attachment means having a slide retained by spring loaded latch.*

131264. Fabbrica Italiana Magneti Marelli S.P.A. An electronic device for controlling a silicon controlled rectifier in a capacitor discharge electronic ignition circuit for internal combustion engines. Accepted on 23rd March, 1972.

*Comprising a monostable multivibrator having its output connected to control electrode of silicon*

- coupling circuit supplying thereto the control signal from a clipping circuit, which is supplied from the battery and driven by the breaker.*
131295. Clayton Dewandre Company Limited. Improvements in and relating to hydraulic pumps. Accepted on 18th March 1972.  
*Comprising two plunger and sleeve type pumping devices driven from a common crank shaft, fluid admission means, a control chamber and an unloading device.*
131560. Stanadyne Inc. Throwaway fuel oil filter cartridges. Accepted on 18th March 1972.  
*Comprises a sealed housing, a filter element, dividing it into entrance and exit chambers, a base wall housing abutment means.*
131568. Grupul Industrial De Chimie Tirnaveni. Process for manufacturing powdery and granulated aluminium sulphate. Accepted on 24th March, 1972.  
*Spraying aluminium sulphate solution in inside space of a spray dryer, of the atomizer or fluidization appliance type.*
131584. Rederiaktiebolaget Nordstjernan. Process for the production of tungsten powder. Accepted on 24th March, 1972.  
*Exposing tungsten powder to a mechanical comminution and/or heat treatment at 400°—1200°C in an atmosphere containing halogen gas or hydrogen halide.*
131669. G. R. Mansukhani and I. T. Mirchandani. An improved image forming machine, such as a typewriter. (12th June 1970). Accepted on 22nd March 1972.  
*Having a margin indicator device comprising feeler or sensor means and signal means activated by the feeler means for emitting a signal where edge of image receiving layer reaches a predetermined position in its passage.*
131720. Kamyr Aktiebolag. Screw feeder in a continuous cellulose digester. Accepted on 20th March 1972.  
*Screw feeder for charging fibre material into the top of a continuous cellulose digester consisting of a driven vertical tubular centre body provided with an exterior helical flange and arranged in a surrounding casing characterised in that the lower end of the tubular centre body is open in order to allow passage of fibre material also through the interior of the centre body.*
131750. Pilkington Brothers Limited. Improvements in or relating to coloured glasses. Accepted on 18th March 1972.  
*Consists of a base  $SiO_2-CaO-Na_2O$  glass characterized by when 6 mm thick or more from 0.2-0.5%  $Fe_2O_3$ , 0.005-0.01%  $Co_2O_3$  and 0.002-0.2% Se, the quantities coordinated to produce a neutral grey glass with excitation purity less than 6% and dominant wave length 0.45-5μ.*
131868. C.A.V. Limited. Starting aids for internal combustion engines. (2nd July, 1970). Accepted on 23rd March, 1972.  
*Comprising a body part partly closed by an end cap having an aperture therein.*
131871. E. I. du Pont de Nemours and Company. Ductile chromium containing ferritic alloys. Accepted on 18th March 1972.  
*Containing besides Fe 19-35% C + N < 0.28%, maximum Ti 2.2% and Al 5%.*
131887. T. V. Kamat. A top. Accepted on 21st March 1972.  
*By comprising a rod carrying a weighted body and having means for securing one end of a rope, a knob on either end of the said rod and substantially horizontal and vertical rings.*
131940. Moledeth Development Company Ltd. Elevator-conveyor for bulk material. Accepted on 18th March 1972.  
*Consists of two endless flexible belts, movable together along the working stretch with the bulk material fully enclosed between.*
132480. E. H. Green. Aerosol valve and sprayhead. Accepted on 18th March 1972.  
*Comprising a metering valve construction for pressurised package.*

**Opposition Proceedings**

(1)

The opposition entered by Alimahomed Chhaganbai Padamsee to the grant of a patent on application No. 120010 made by JG Glass Industries Pvt. Ltd. as notified in Part III, Section 2 of the Gazette of India dated the 12th December, 1970, has been dismissed.

(2)

The opposition entered by Alimahomed Chhaganbai Padamsee to the grant of a patent on application No. 120011 made by JG Glass Industries Pvt. Ltd. as notified in Part III, Section 2 of the Gazette of India, dated the 12th December, 1970, has been dismissed.

(3)

The opposition entered by Alimahomed Chhaganbai Padamsee to the grant of a patent on application No. 120012 made by JG Glass Industries Pvt. Ltd. as notified in Part III, Section 2 of the Gazette of India, dated the 12th December, 1970, has been dismissed.

(4)

The opposition entered by Alimahomed Chhaganbai Padamsee to the grant of a patent on application No. 120013 made by JG Glass Industries Pvt. Ltd. as notified in Part III, Section 2 of the Gazette of India, dated the 12th December, 1970, has been dismissed.

**Patents Sealed**

115104 123824. 123914 123977 123997 124014 124101 124130  
 124160 124207 124270 124276 124416 124514 124750 125297  
 125330 125414 125429 125466 125501 25526 125540 125541  
 125574 125626 225627 125661 126131 126163 126199 126288  
 126293 126526 26541 126616 126701 126734 126789 126842  
 126944 126956 126980 127013 127017 127039 127166 127300  
 127301 127339 127559 127673 127722 127903 127991 127993  
 128046 128073 128027 128172 128298 128419 128539 128549  
 128700 128846 129014 129025 129557 132585 132629.

**Appointments Proceedings**

(1)

The amendments proposed by Sumitomo Chemical Co. Ltd., in respect of Patent No. 123693 as advertised in Part III, Section 2 of the Gazette of India dated the 13th November 1971 have been allowed.

(2)

The amendment proposed by Sandoz Ltd., in respect of Patent Application No. 124565 as advertised in Part III, Section 2 of the Gazette of India dated the 6th November 1971 have been allowed.

(3)

The amendments proposed by Kawasaki Steel Corporation in respect of patent application No. 127106 as advertised in Part III, Section 2 of the Gazette of India dated the 23rd October 1971 have been allowed.

**Renewal Fees Paid**

59774 59924 60053 60073 60088 60111 60171 60175 60223  
 60228 60999 63462 63533 63620 63711 63712 63790 63794  
 63839 63840 63842 63877 63978 64010 64083 64084 64396  
 66794 66795 67108 67178 67195 67206 67236 67276 67277  
 67403 67415 67437 67508 67653 67835 67947 68345 70733

70859	70980	70981	1163	71286	7123	71.16	71340	71400
71408	71418	71447	1449	71466	7150	71.13	71554	71566
71821	71900	75484	5538	75699	7584	75.59	76009	76101
75107	76109	76116	6132	76133	7613	76.51	76164	76197
76210	76221	76237	6239	76233	7629	76.12	76321	76356
75388	76397	76398	0611	81407	8155	81.76	81585	81614
81626	81627	81634	1696	81728	8173	81.44	81745	81755
81780	81794	81820	1844	818-3	8188	81.00	81904	81965
81980	81998	82044	1243	82466	8257	82.22	82893	82964
83142	83557	85988	7140	87222	8724	87.45	87262	87272
87277	87357	87358	7391	87578	8740	87.66	87487	87490
87491	87503	87538	7577	87599	8762	87.78	87712	87869
83049	88053	88419	8696	88363	8916	90.48	92350	92771
92818	93085	93086	13091	93053	9309	93.08	93110	93118
93121	93122	93130	13160	93153	9324	93.74	93280	93282
93300	93301	93322	13341	93341	9335	93.56	93368	93372
93398	93406	93410	13418	93453	9347	93.19	93520	93524
94230	94776	95236	15791	98111	9811	98.13	98114	93529
93562	98590	98591	19859	98594	9864	98.53	98707	93774
98778	98797	98798	19880	98824	9883	98.01	98942	93960
93986	98997	99020	19021	99340	9904	99.049	99078	99098
99134	99167	99185	19181	99216	9922	99.41	99249	99251
99253	99264	99322	19480	99500	9956	99.07	99689	99733
99764	99878	99951	100488	101119	11376	101473	102820	
102821	102822	102873	103903	104223	10446	104.20	104444	
104483	104484	104485	104691	104701	10475	104.21	104727	
104729	104740	104741	104760	104769	104788	104.99	104808	
104809	104827	104828	104853	104857	104880	104.81	104906	
104907	104913	104914	104922	104945	104954	104.73	104991	
104999	105012	105013	105020	105021	10502	105.040	105083	
105086	105091	105092	105857	105971	106324	106.125	106681	
106797	107620	107	103047	108350	10870	109.81	109249	
109463	109824	109825	1010899	109938	109953	110.131	110338	
110056	110061	110062	7110088	10109	10156	110.57	110174	
110187	110193	110194	5110223	10229	102.6	11037	110258	
110259	110263	110264	7110270	10271	10278	110385	110430	
110591	110727	110728	2110958	11344	11471	11172	111645	
112211	112349	112350	8113639	14783	11480	114136	114996	
115047	115048	115059	9115079	15104	15183	11510	115215	
115219	115256	115257	9115260	15261	11522	115272	115313	
115314	115315	115316	9115360	15366	11530	115399	115418	
115435	115474	115475	5115479	15481	11550	115522	115533	
115582	115583	115584	8115652	15653	115617	115757	115771	
115772	115773	115774	7115088	16147	16161	811646	116430	
116468	117227	117228	9117491	18299	11939	119493	119876	
119926	120393	120394	4120458	20584	20605	120321	120622	
120714	120778	1207	9120780	20781	20782	120345	120922	
123800								

## Restoration Proceedings

(1)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911 for the restoration of following patents:

No. 114069—C. . V. Limited.

Title:—"Starting aids for internal combustion engine".

The patent ceased on the 27th September 1970, owing to non-payment of renewal fee within the prescribed time and

cessation of the patent was noticed in Part II, Section 2 of the Gazette of India dated the 29th May 1971. Any person may give notice of opposition to the restoration by laying a application on Form 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta-17, on or before the 20th May 1972.

(2)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911 for the restoration of following patent:

No. 06329—Dr. Sohan Singh.

Title—"Anti-gravity medical therapy apparatus".

The patent ceased on the 25th July 1971, owing to non-payment of renewal fee within the prescribed time and cessation of the patent was noticed in Part III, Section 2 of the Gazette of India dated the 18th March 1972. Any person may give notice of opposition to the restoration by laying a application on Form 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta-17, on or before the 20th May 1972.

## Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Indian Patents and Designs Act.

The dates shown in each entry in the date of registration of the designs including the entry.

The dates shown in brackets are the dates claimed under Section 78(4) of the Act.

Class 13. Nos. 138108 to 13882. Vijay Dyeing and Screen Printing Works, whose address is 13-B, Dada Nagar, Industrial Estate, Kanpur (U.P.) (Indian Partnership concern), "Textile goods", July 15, 1971.

Class 13. No. 138108. Vijay Dyeing and Screen Printing Works, whose address is 18-B, Dada Nagar, Industrial Estate, Kanpur (U.P.) (Indian Partnership concern), "Textile goods", August 16, 1971.

Class 3. No. 138112. Vijay Dyeing and Screen Printing Works, whose address is 18-B, Dada Nagar, Industrial Estate, Kanpur (U.P.) (Indian Partnership concern), "Textile goods", August 21, 1971.

COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS.

Design No. 13148..... Class —1.

Copyright extended for a third Period of Five Years.

Design Nos. 112578 and 113480..... Class —1.

## CANCELLATION OF THE REGISTRATION OF DESIGNS (SEC. 51A).

The application made by Ramesh Chander Sapra and Others trading as Swan Metal Industries for cancellation of the registration of Design No. 134949 in the name of Getco Products which was notified in Part III, Section 2 of the Gazette of India dated the 22nd August 1970, has been dismissed.

S. VEERAMAN  
Controller General of Patents  
Designs & Trade Marks.

